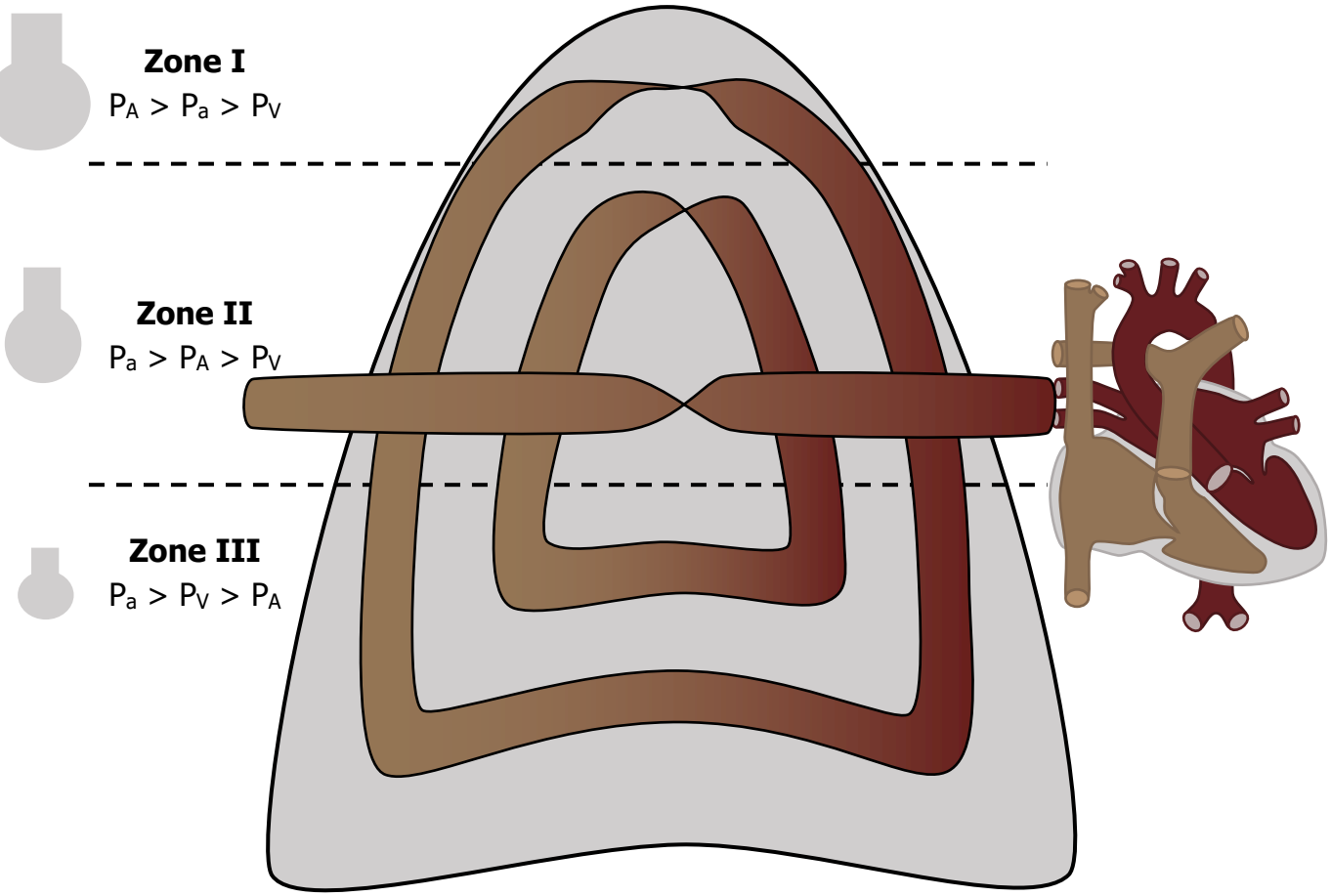
Zone I
$P_A > P_a > P_V$
Zone II
$P_a > P_A > P_V$
Zone III
$P_a > P_V > P_A$